

Hydrologic and Climate Assessment

July 13, 2017

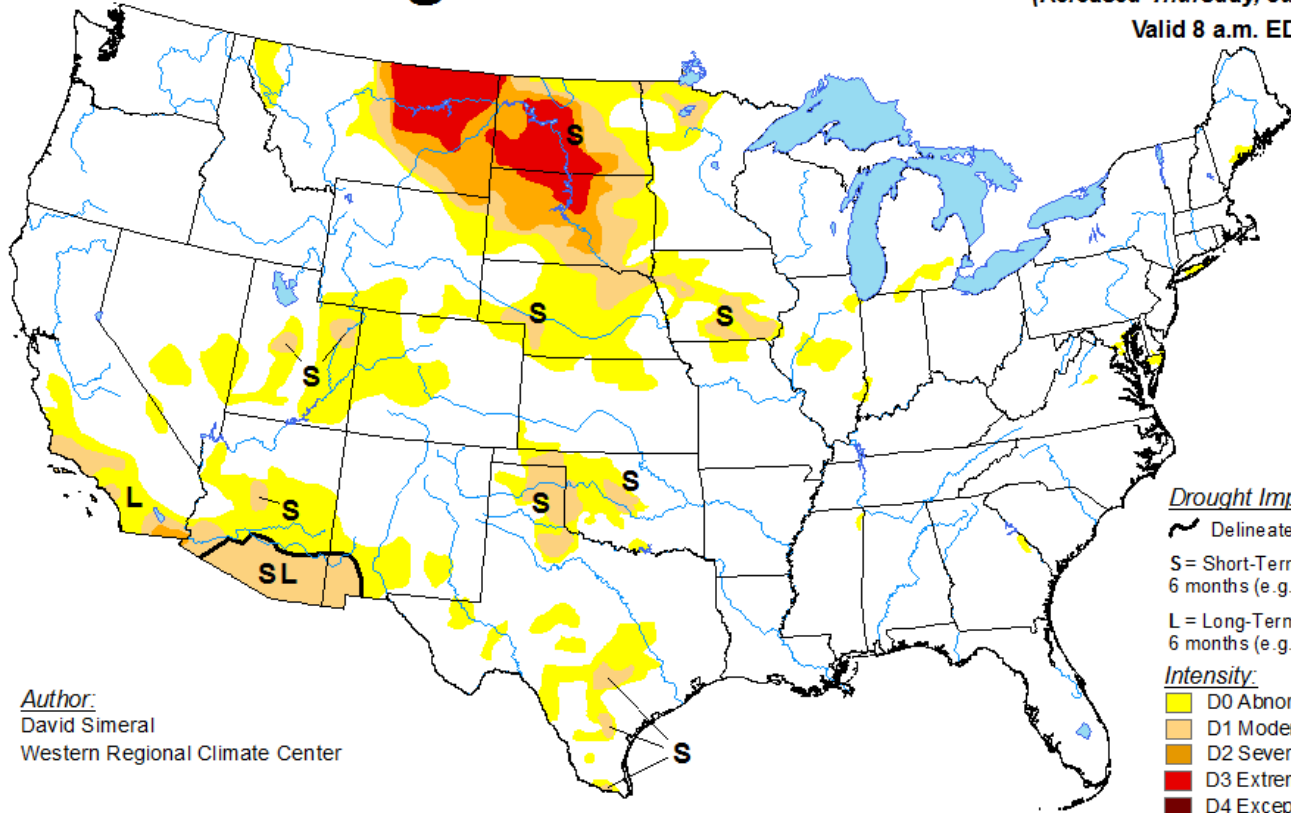


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DEPARTMENT OF EXTENSION
BYRD POLAR & CLIMATE RESEARCH CENTER
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U.S. Drought Monitor

July 11, 2017
 (Released Thursday, Jul. 13, 2017)
 Valid 8 a.m. EDT

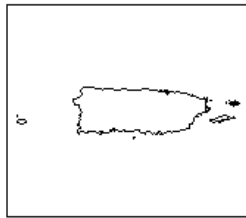
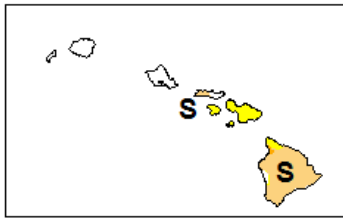
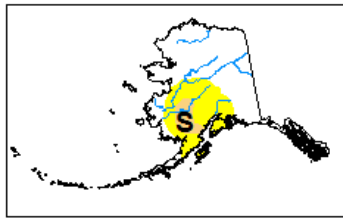


Author:
 David Simeral
 Western Regional Climate Center

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
 Red: D3 Extreme Drought
 Dark 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/>

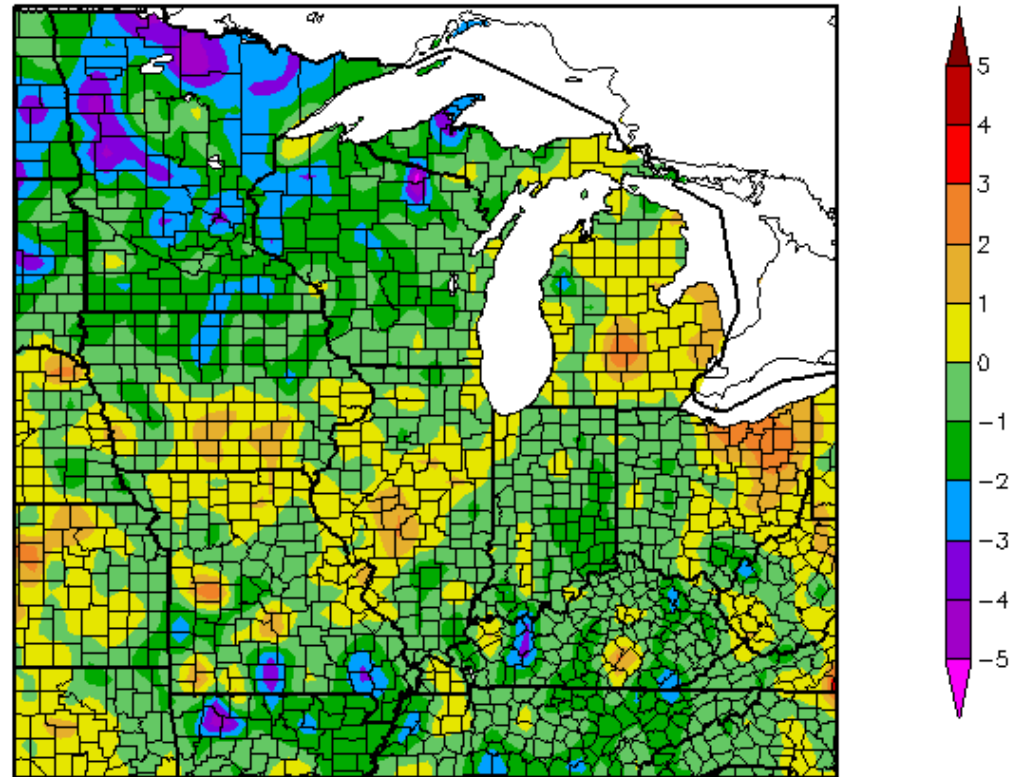


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Previous 30-Day Temperature Difference Compared to Average (1981-2010)

Departure from Normal Temperature (F)
6/13/2017 - 7/12/2017



NATIONAL INTEGRATED DROUGHT INFORMATION SYSTEM
NIDIS Drought.gov
U.S. Drought Portal

Generated 7/13/2017 at HPRCC using provisional data.

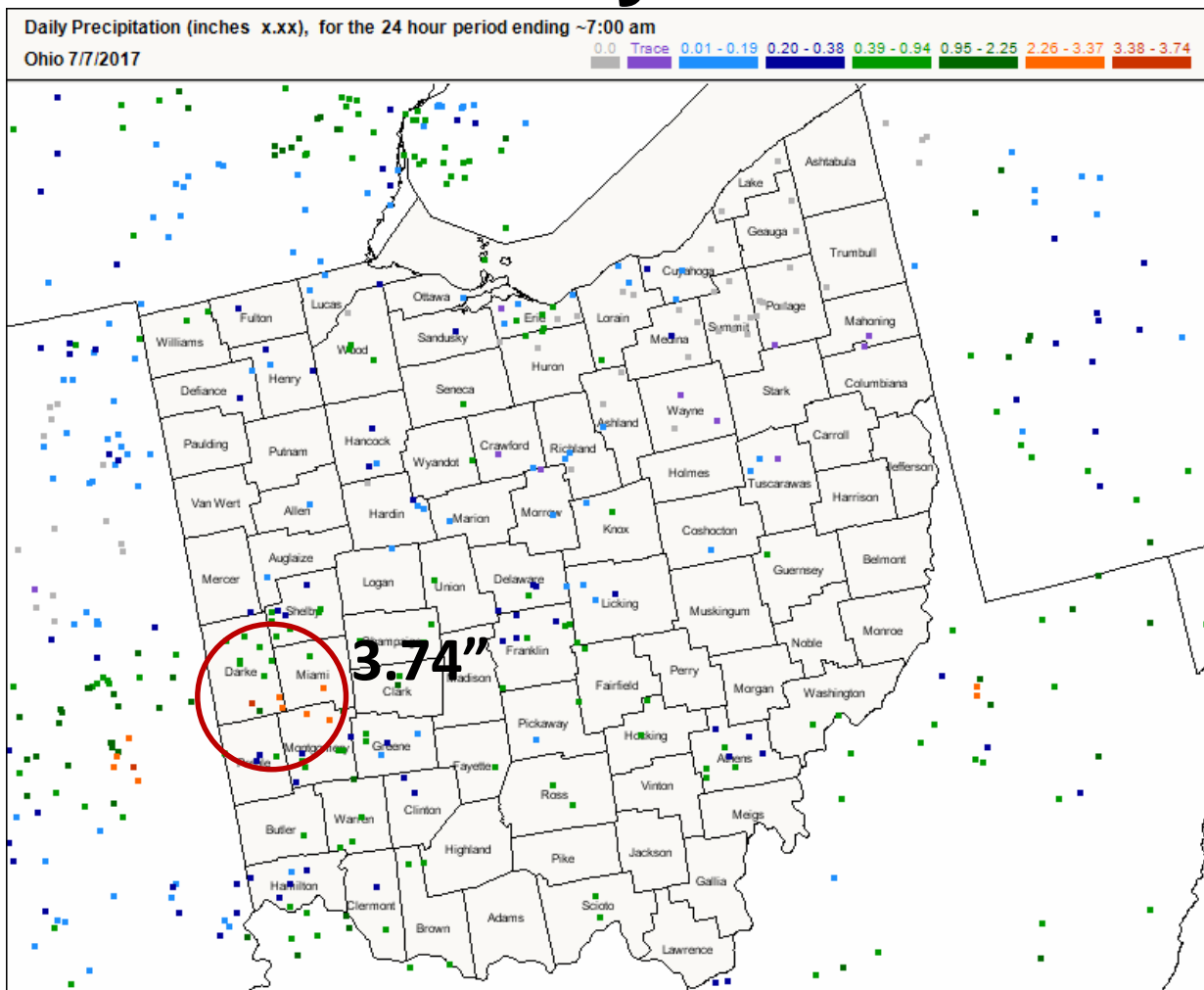
Regional Climate Centers



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CoCoRaHS Observed Precipitation: July 7



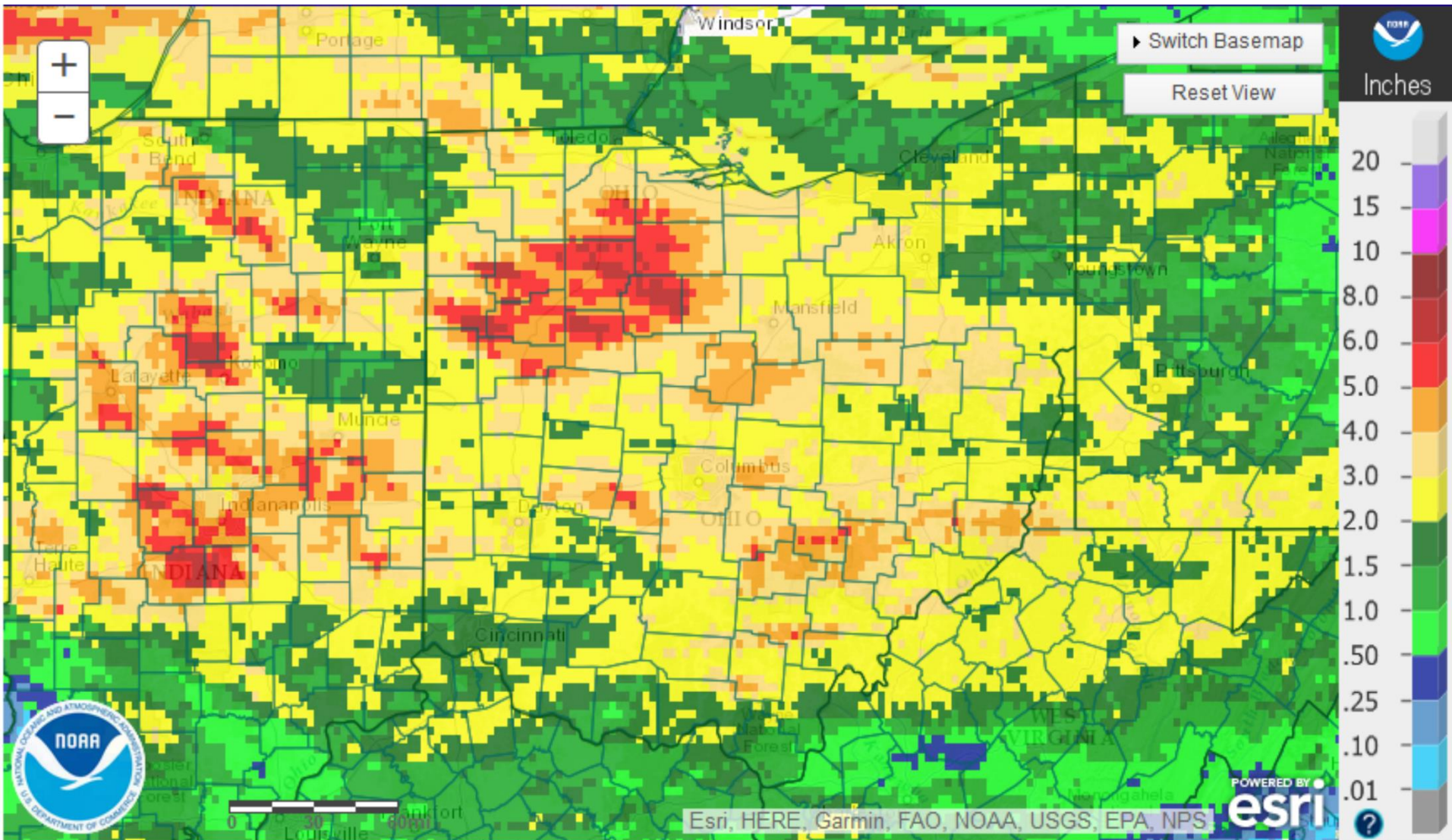


Northern Arcanum

5.5" of
rainfall in
24 hours



Previous 7-Day Precipitation: Total



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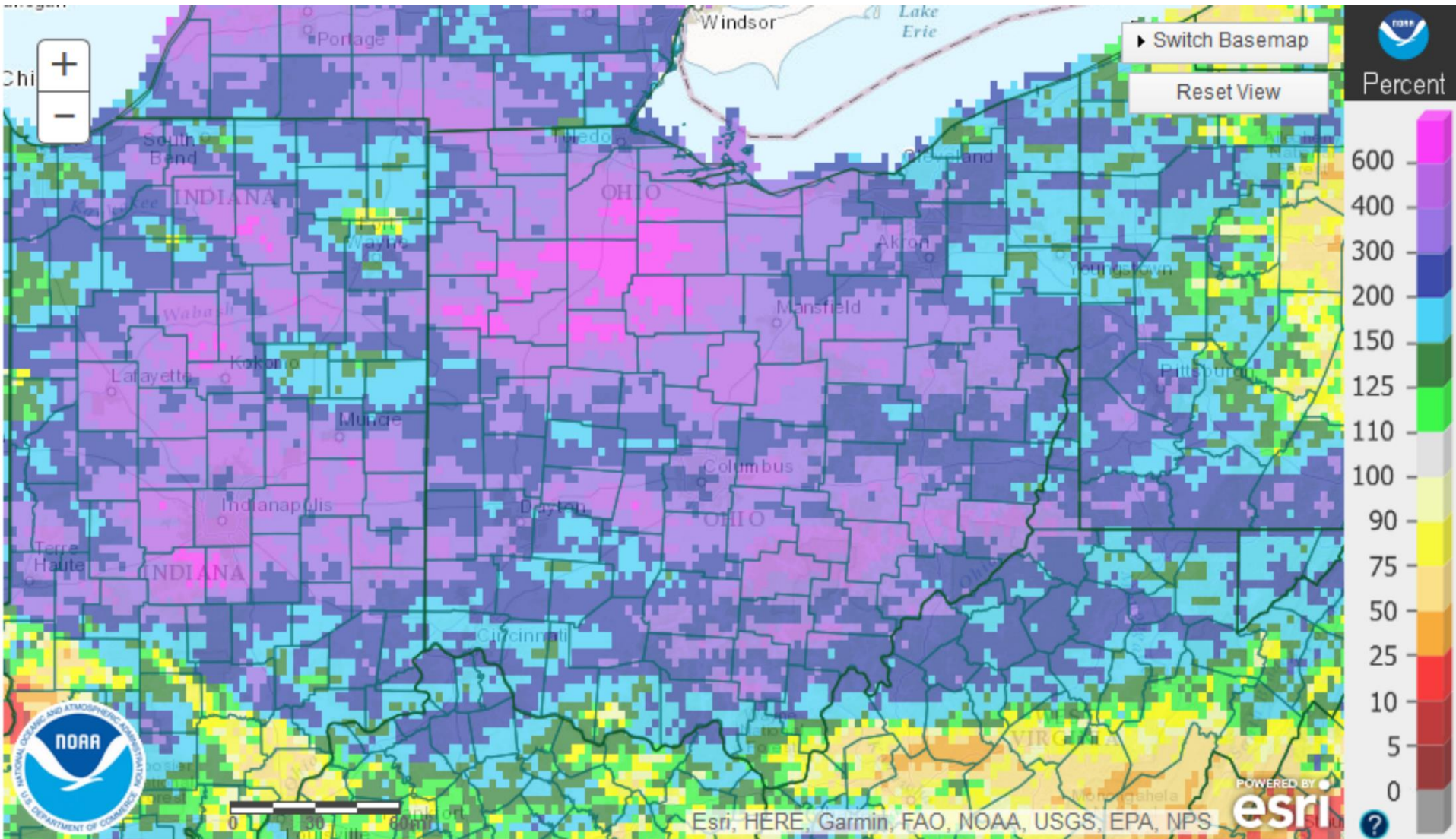
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Previous 7-Day Precipitation: Percent of Normal



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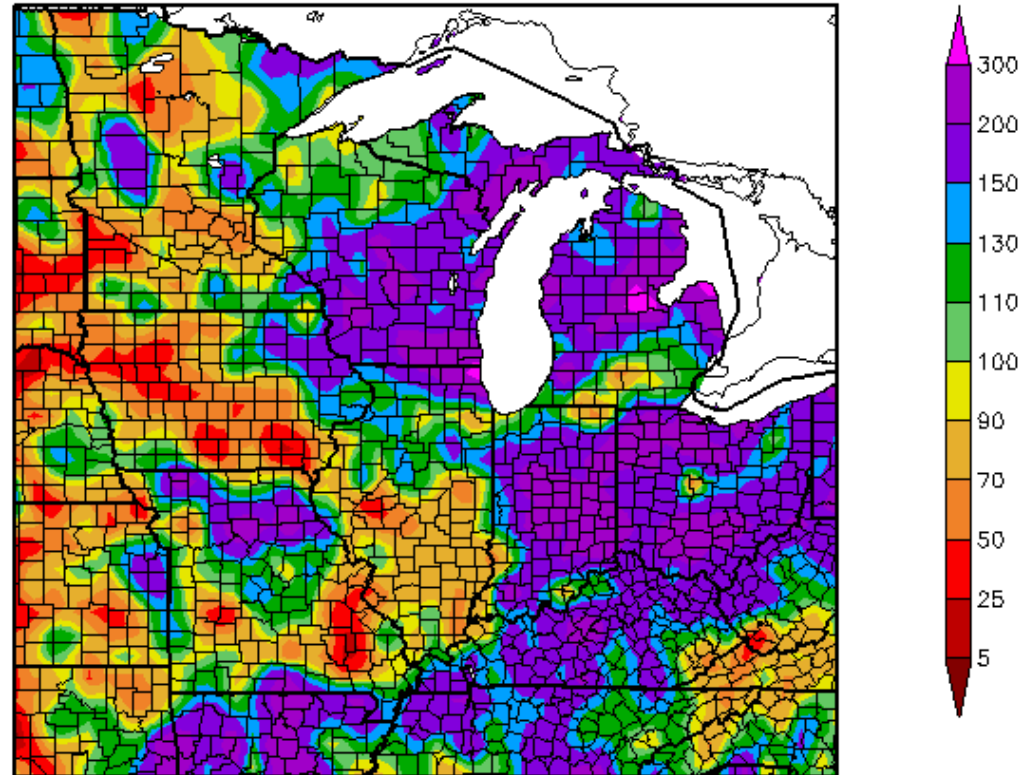
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Previous 30-Day Precipitation Difference Compared to Average (1981-2010)

Percent of Normal Precipitation (%)
6/13/2017 - 7/12/2017



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Generated 7/13/2017 at HPRCC using provisional data.

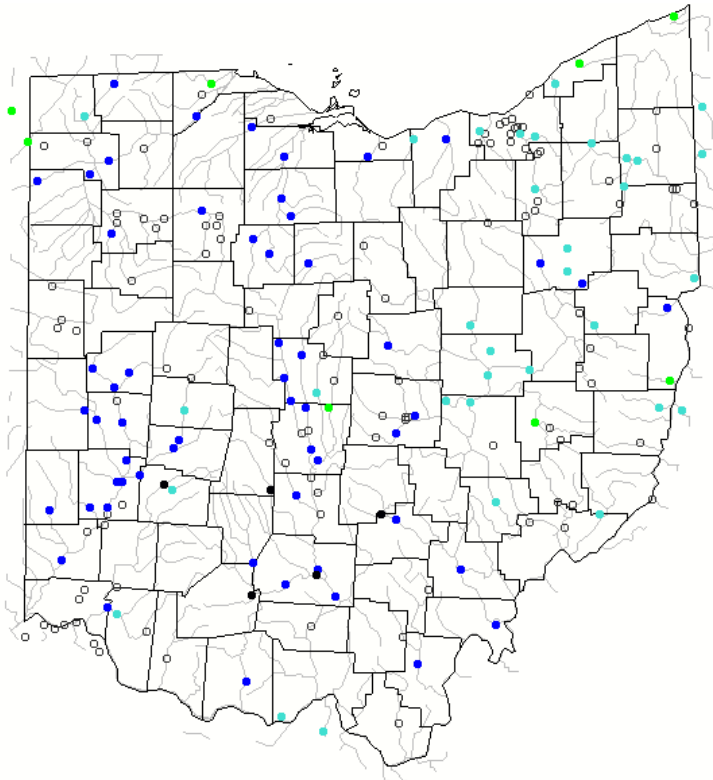
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7-DAY



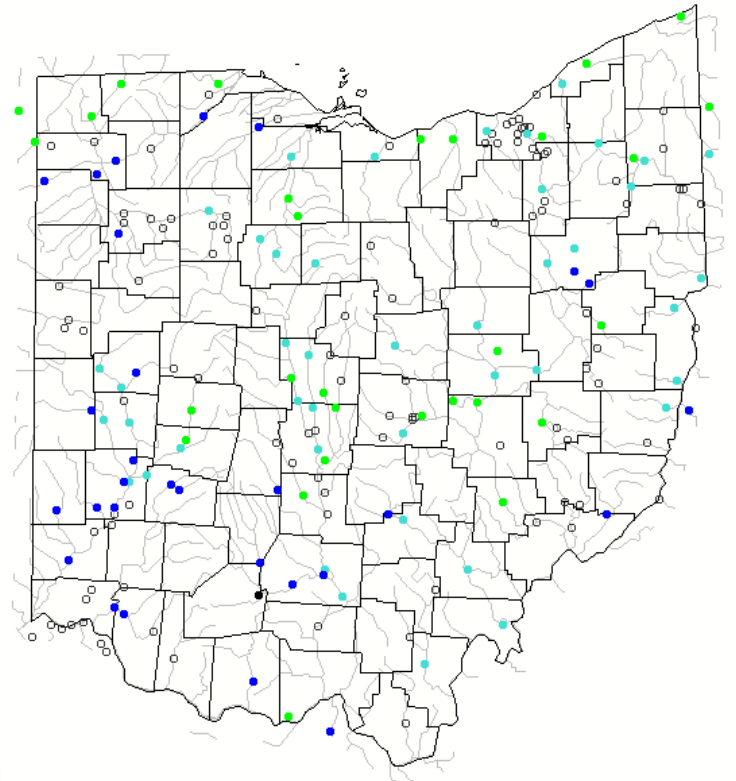
Explanation - Percentile classes

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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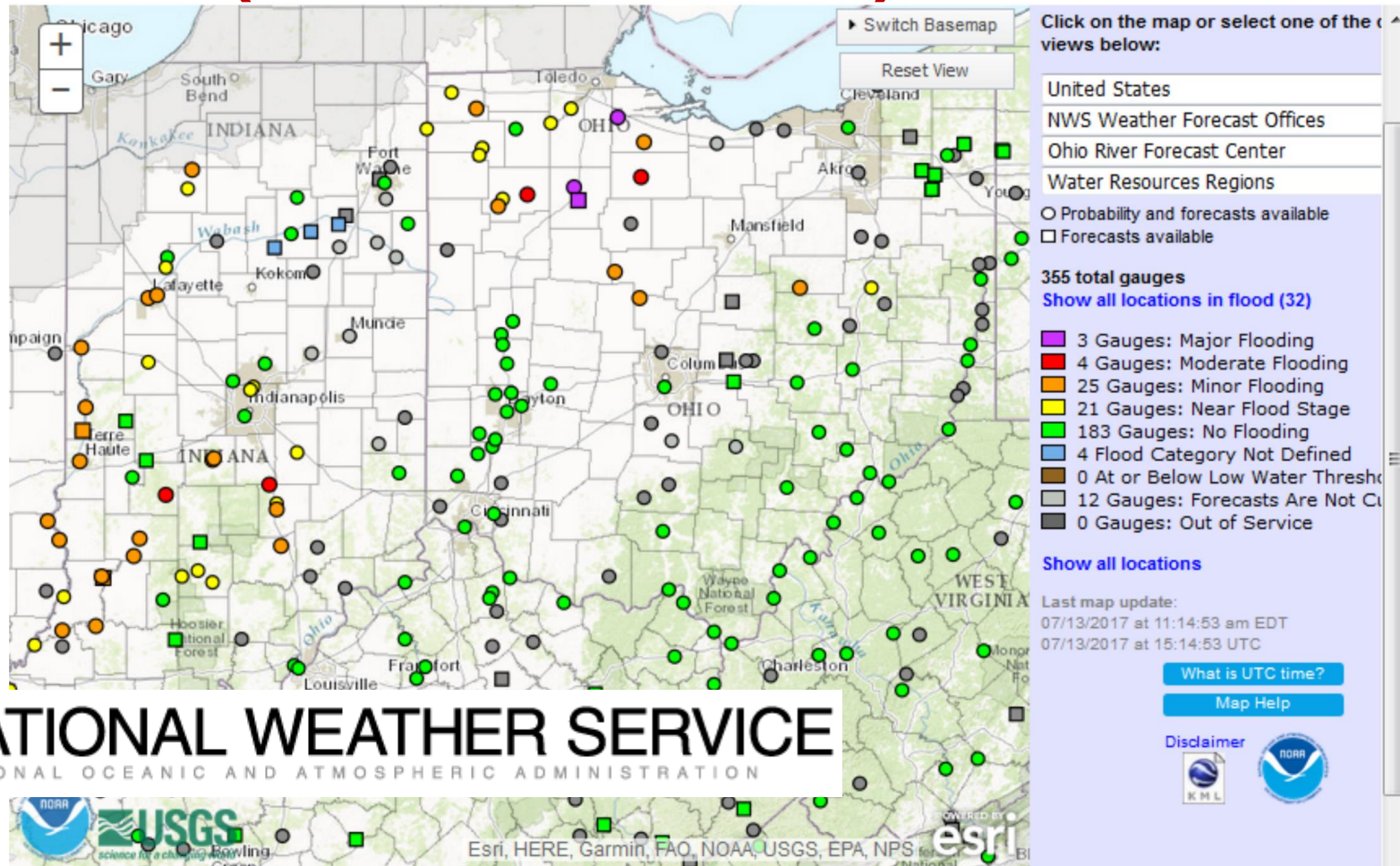
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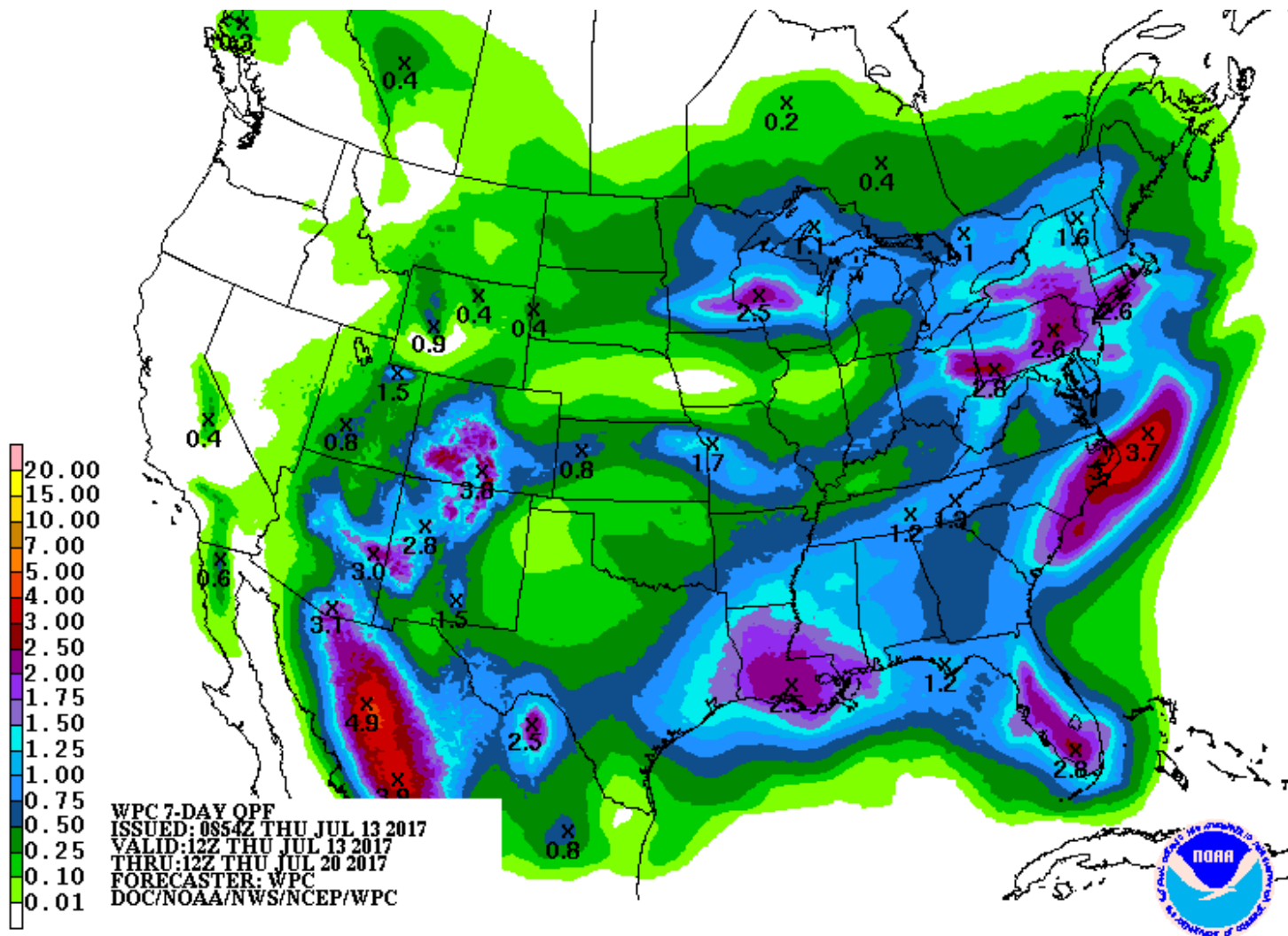
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Ohio River Forecast Center (Flood Potential)

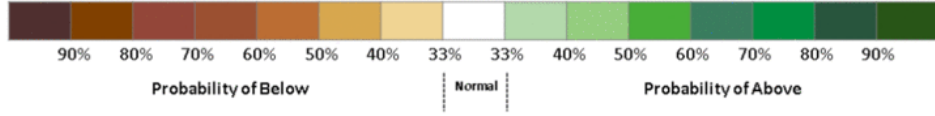
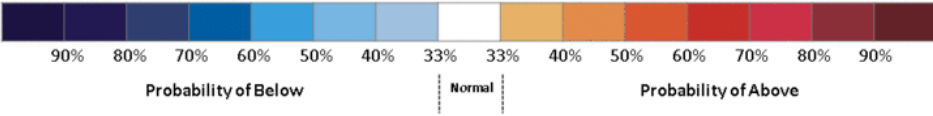
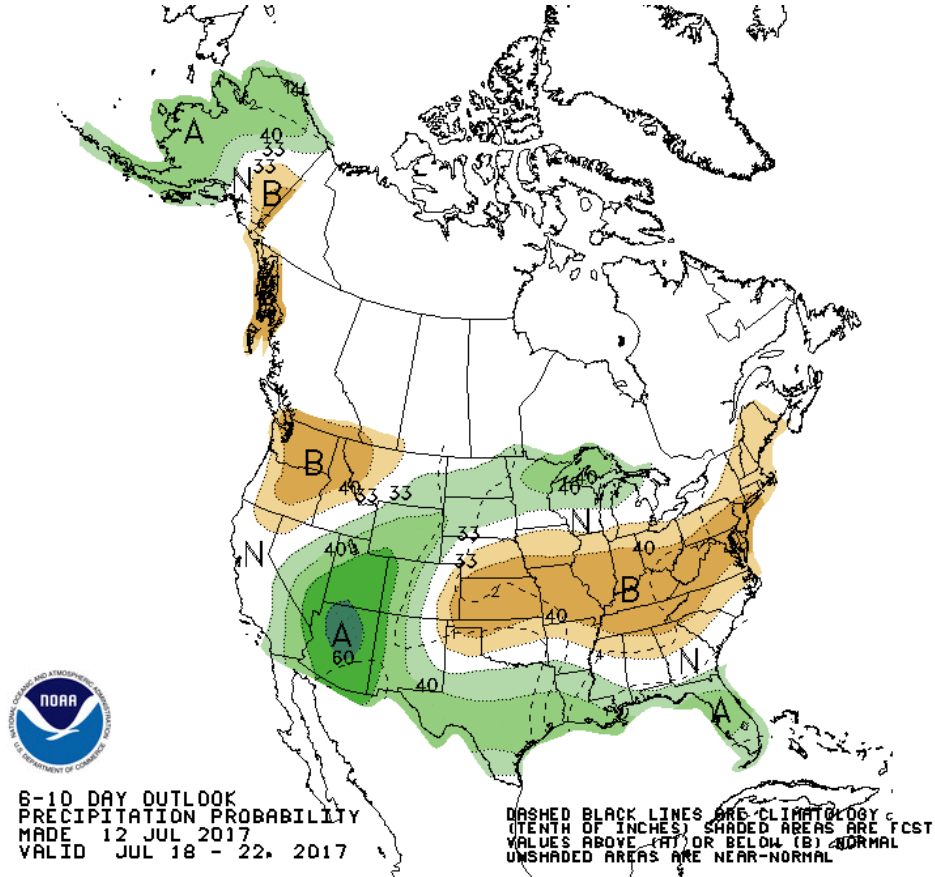
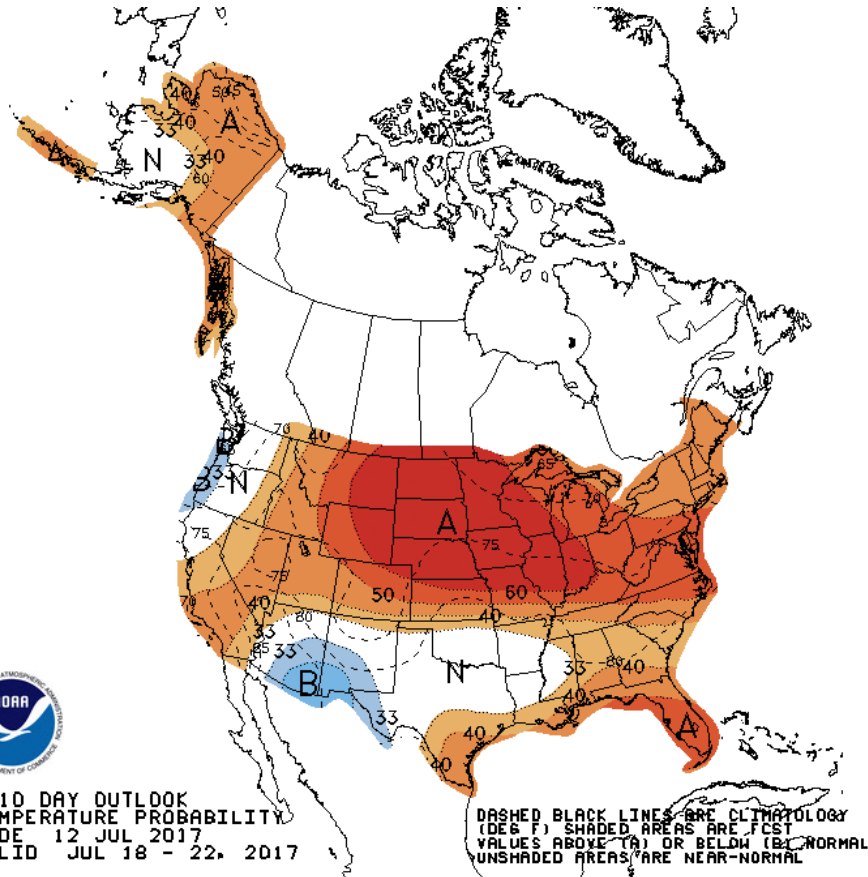


<https://www.weather.gov/ohrfc/>

Weather for the Week Ahead



6-10 Day Outlook



Highs: Mid 80s

Lows: Mid 60s



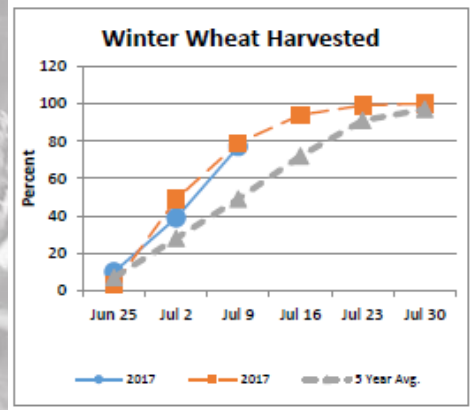
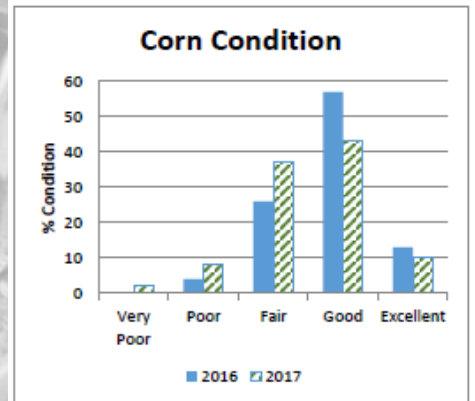
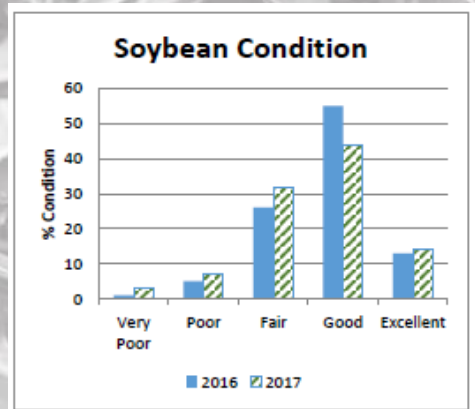
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Ag Highlights

- 4.1 days suitable for fieldwork for the week ending July 9th
- Ponding in fields, root diseases in corn and soybeans are a concern
- Hay fields were still reported in good condition, but wet weather challenged growers trying to mow and bale hay.



NASS: Cheryl Turner –

https://www.nass.usda.gov/Statistics_by_State/Ohio/Publications/Crop_Progress_&_Condition/2017/cw2817oh.pdf

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Summary of Conditions



Drought Monitor: Removed D0 from northern Ohio

30-Day and 60-Day: Good soaking rains across much of the state

Precipitation: Multiple rounds of thunderstorms late this week; pattern starts to dry out a bit this weekend and beyond



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