## **Hydrologic and Climate Assessment**

**January 17, 2018** 

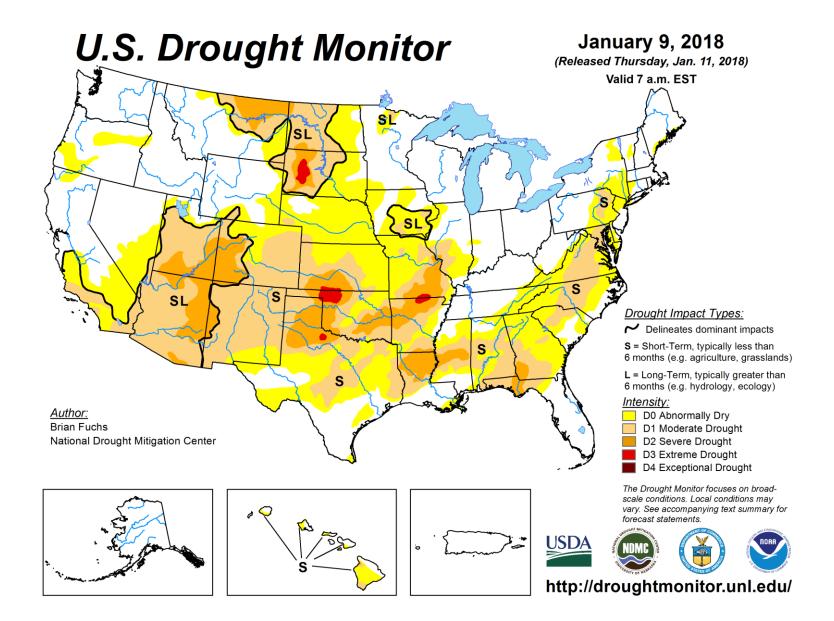




Aaron B. Wilson

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DEPARTMENT OF EXTENSION - CFAES

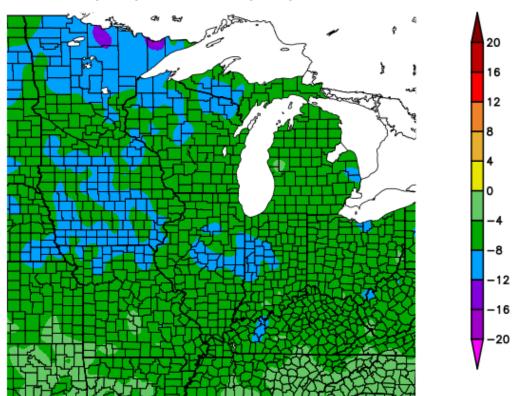
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# Previous 30-Day Temperature Difference Compared to Average (1981-2010)

Departure from Normal Temperature (F) 12/18/2017 - 1/16/2018





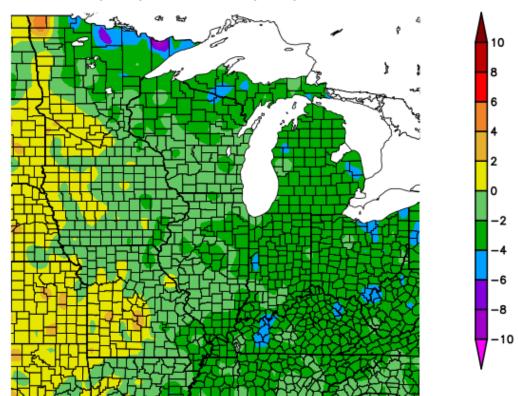
Generated 1/17/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers



# Previous 60-Day Temperature Difference Compared to Average (1981-2010)

Departure from Normal Temperature (F) 11/18/2017 - 1/16/2018





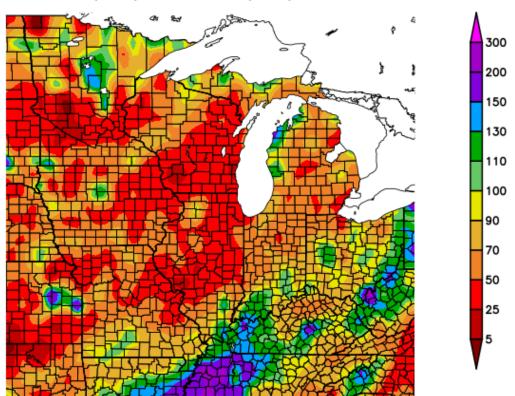
Generated 1/17/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers



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

Percent of Normal Precipitation (%) 12/18/2017 - 1/16/2018





Generated 1/17/2018 at HPRCC using provisional data.

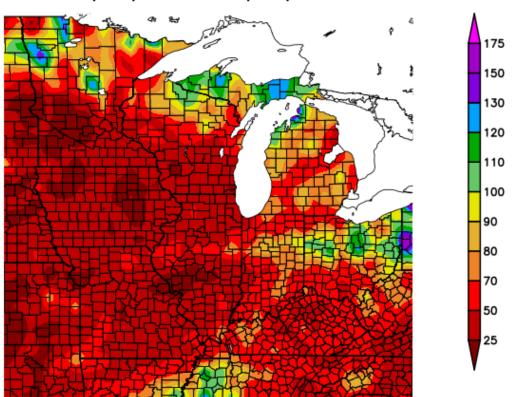
NOAA Regional Climate Centers



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# Previous 60-Day Precipitation Difference Compared to Average (1981-2010)

Percent of Normal Precipitation (%) 11/18/2017 - 1/16/2018





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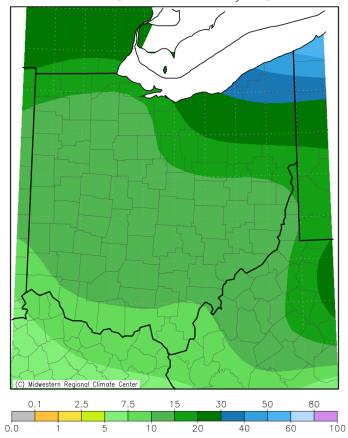
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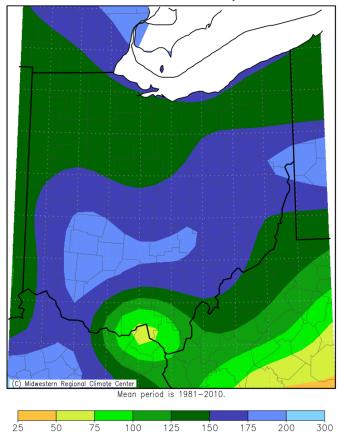
### Winter Snowfall

Accumulated Snowfall (in)
December 1, 2017 to January 17, 2018



Midwestern Regional Climate Center cli-MATE: MRCC Application Tools Environment Generated at: 1/17/2018 10:41:21 AM CST

Accumulated Snowfall: Percent of Mean December 1, 2017 to January 17, 2018



Midwestern Regional Climate Center cli-MATE: MRCC Application Tools Environment Generated at: 1/17/2018 10:42:57 AM CST

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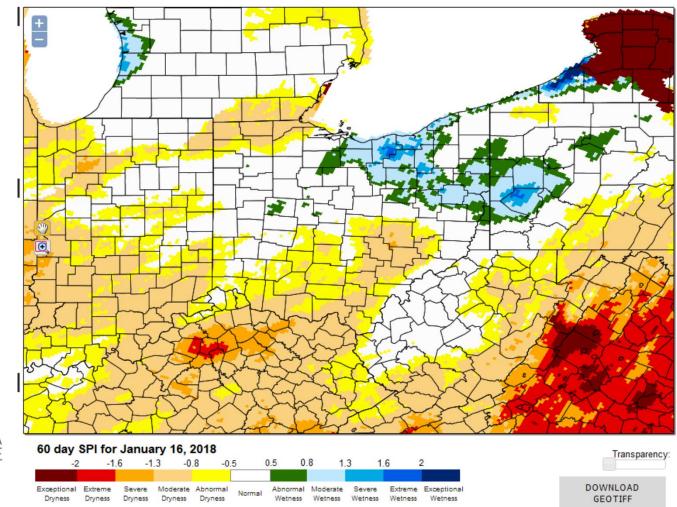
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## Standard Precipitation Index (SPI)

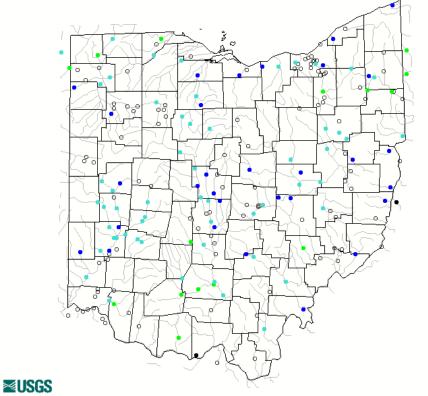




60-Day



### 7-DAY

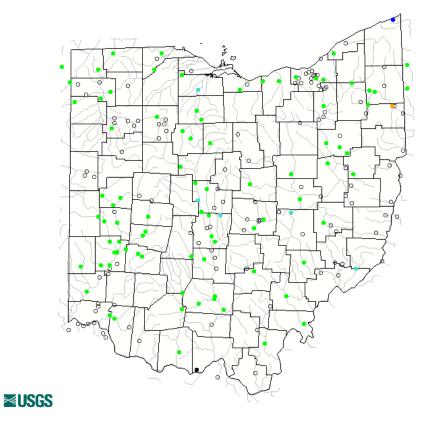


Explanation - Percentile classes							
•			•		•	•	0
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above	Much above normal		

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

## **USGS Streamflow**







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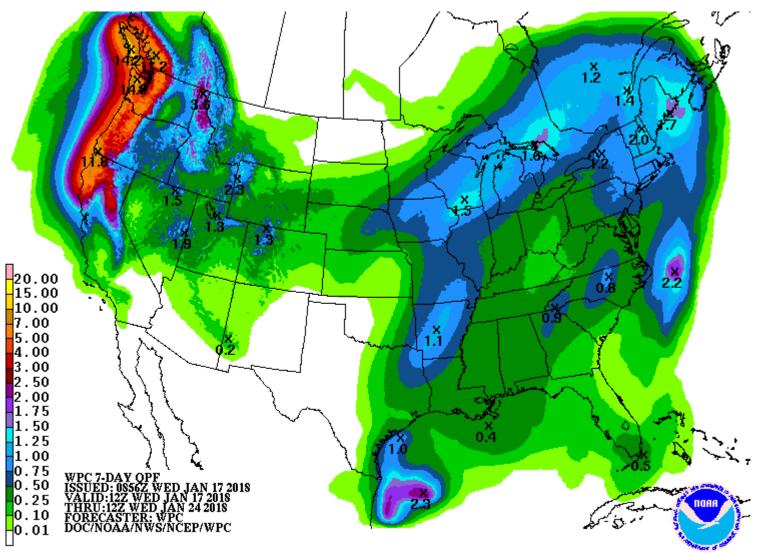
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### Weather for the Week Ahead





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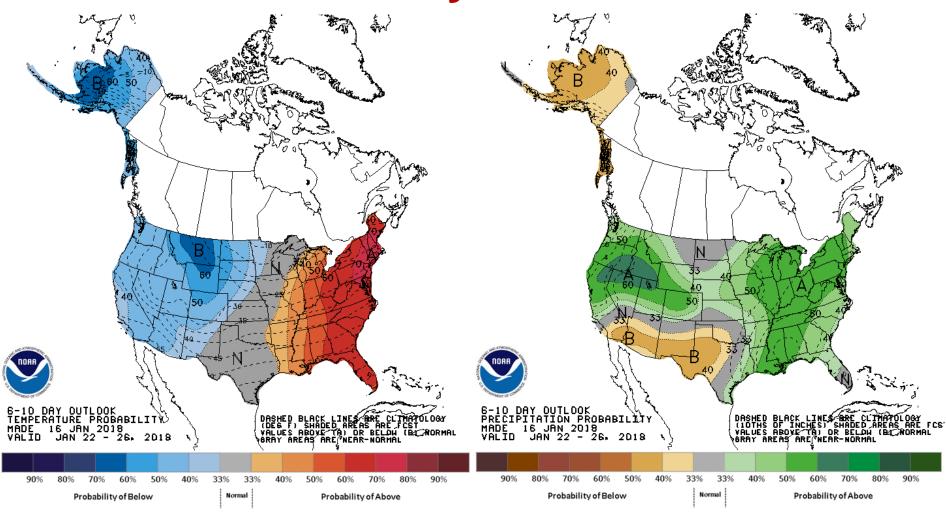
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## 6-10 Day Outlook



Highs: 30-40 Lows: 18-24



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## **Summary of Conditions**



**Drought Monitor:** No Drought

Front/Back Photos: Courtesy of Kat Bledsoe

**30-Day and 60-Day:** A tad on the dry side – no concerns

The week ahead: Warmer weather ahead. Melting snow. Elevated Rivers and Streams.

