# **Hydrologic and Climate Assessment**

February 19, 2018

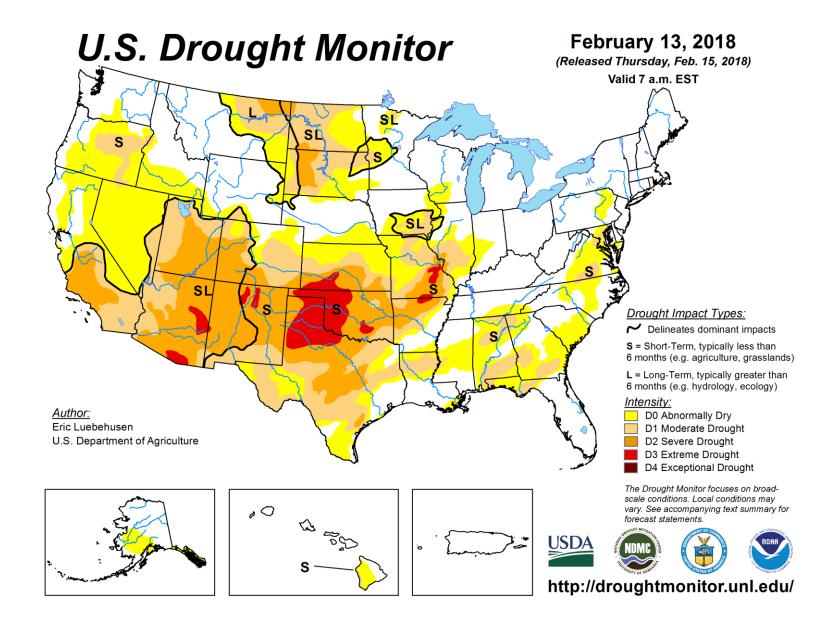




Aaron B. Wilson

STATE CLIMATE OFFICE OF OHIO (SCOO)

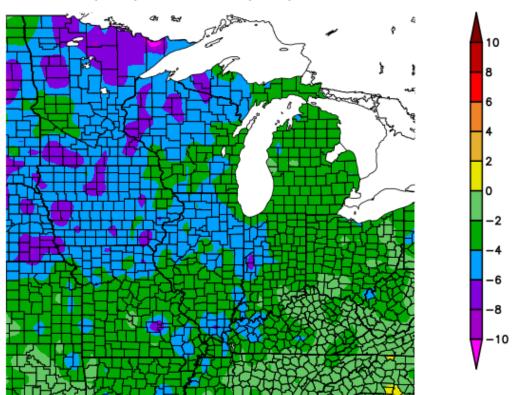
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# Previous 60-Day Temperature Difference Compared to Average (1981-2010)

Departure from Normal Temperature (F) 12/21/2017 - 2/18/2018





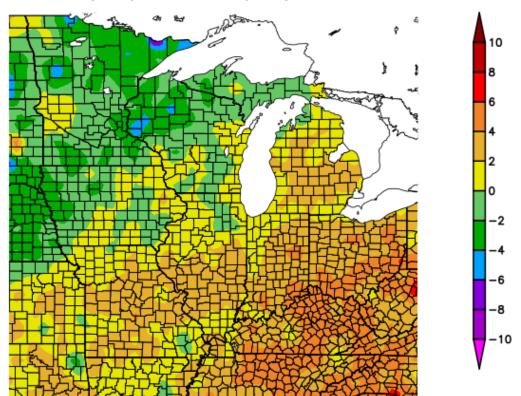
Generated 2/19/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers



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

Departure from Normal Temperature (F) 1/20/2018 - 2/18/2018





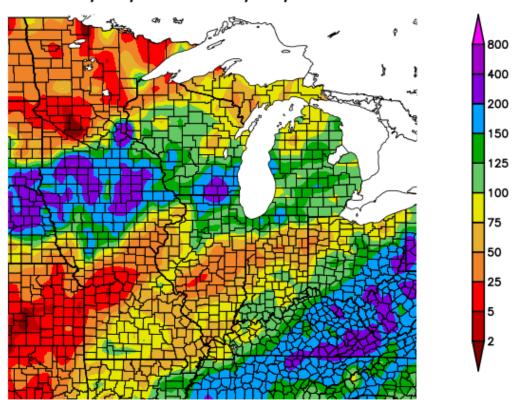
Generated 2/19/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers



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

Percent of Normal Precipitation (%) 1/20/2018 - 2/18/2018





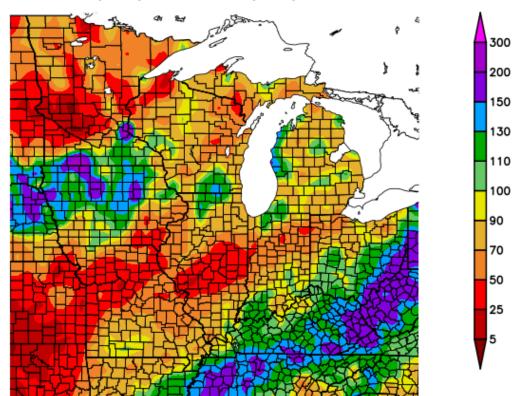
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# Previous 60-Day Precipitation Difference Compared to Average (1981-2010)

Percent of Normal Precipitation (%) 12/21/2017 - 2/18/2018





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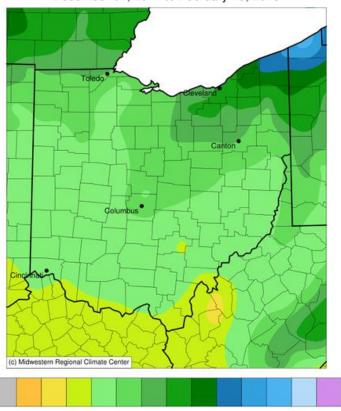
NOAA Regional Climate Centers



## Winter Snowfall

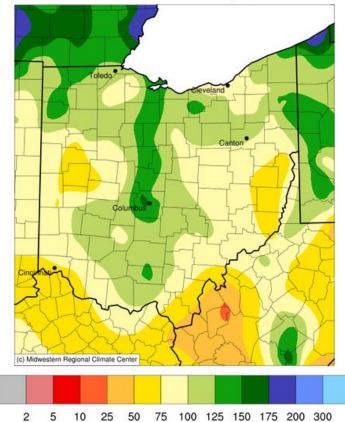
### Accumulated Snowfall (in)

December 01, 2017 to February 19, 2018

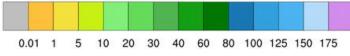


### Accumulated Snowfall (in): Percent of 1981-2010 Normals

December 01, 2017 to February 19, 2018





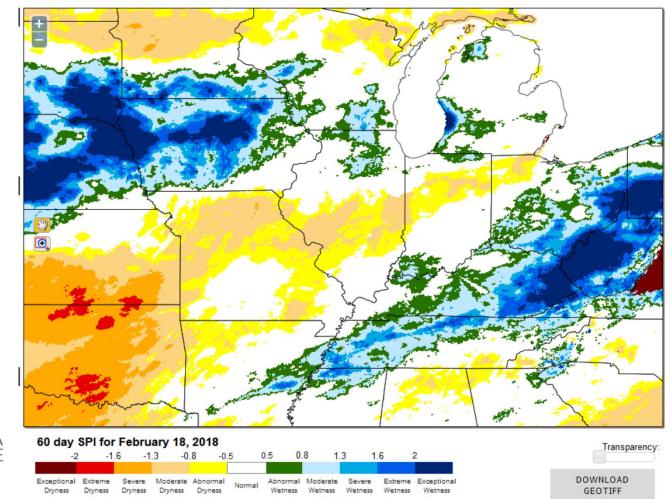




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# Standard Precipitation Index (SPI)

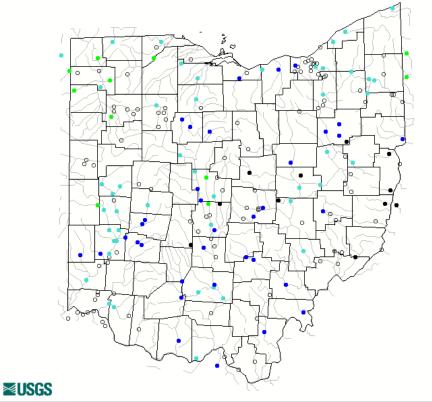




60-Day



## 7-DAY

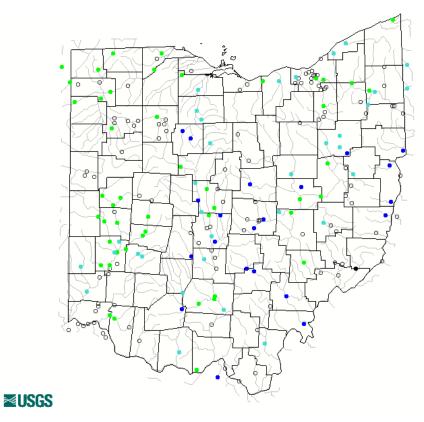


Explanation - Percentile classes							
•		•	•			•	0
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

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

## **USGS Streamflow**







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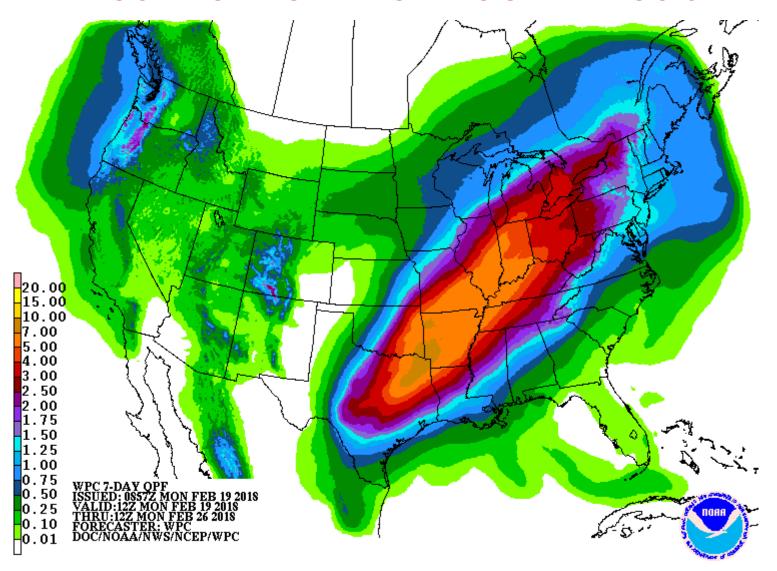
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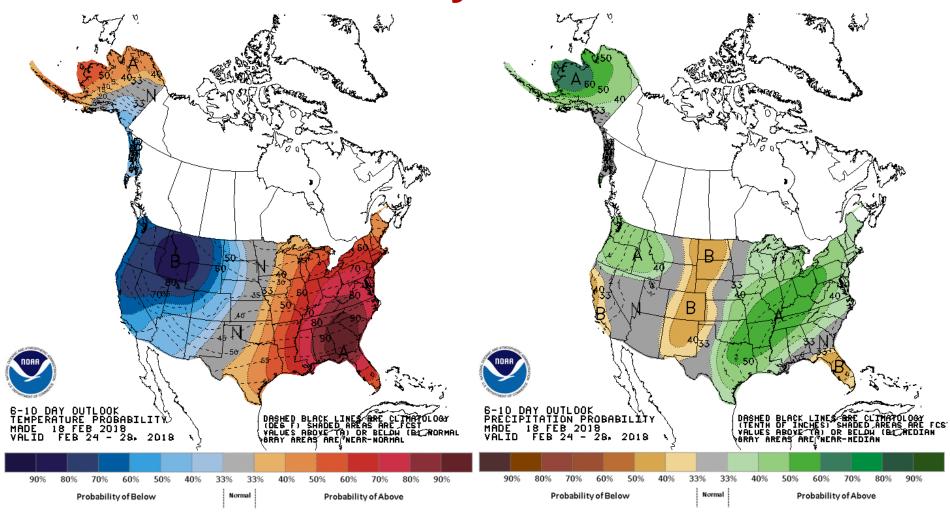


## Weather for the Week Ahead





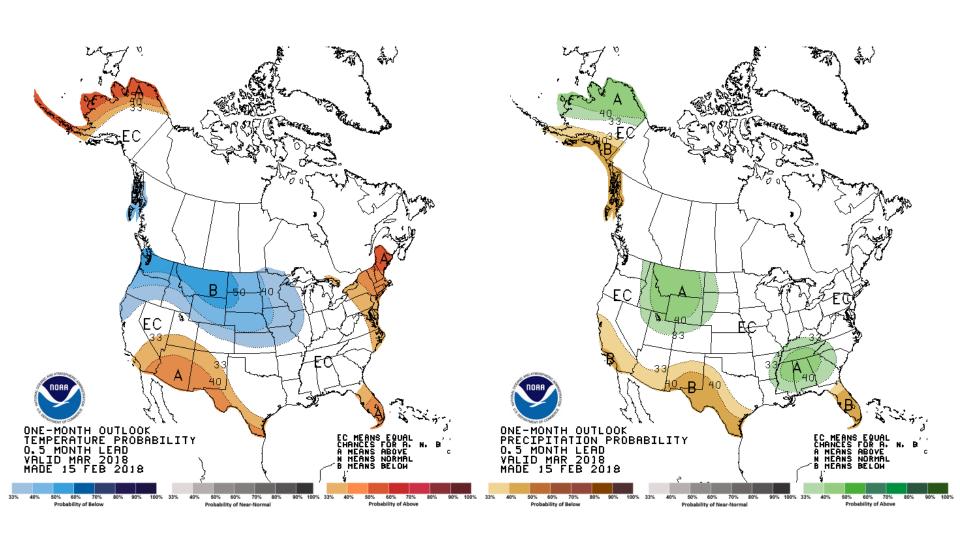
# 6-10 Day Outlook



Highs: Upper 30s – Mid 40s Lows: Low to Upper 20s

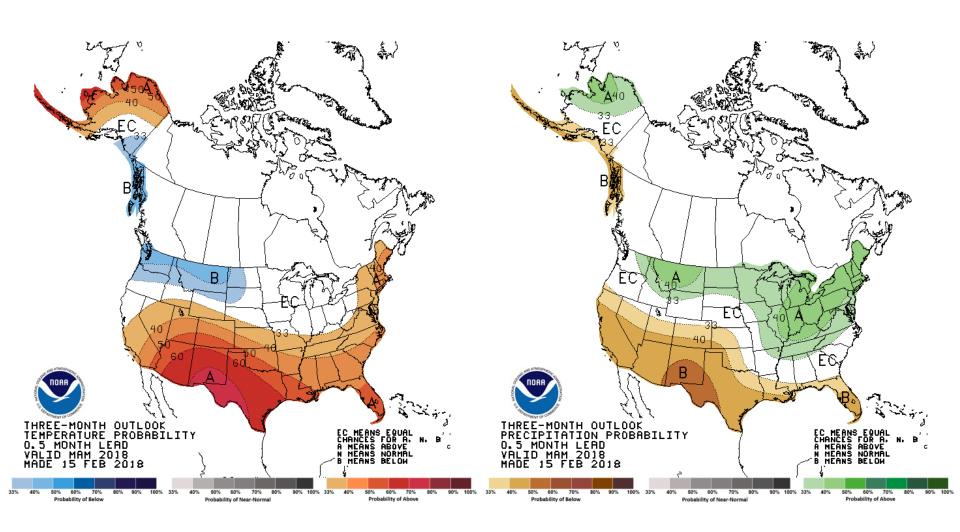


## **March Outlook**





# **March-May Outlook**





# **Summary of Conditions**



**Drought Monitor:** No Drought in Ohio; Dry to the west

30-Day and 60-Day: Dry in NW Ohio to Wet in SE Ohio

The week ahead: Warm and very wet. Elevated Rivers and Streams. Field Flooding.

