# **Hydrologic and Climate Assessment**

**January 22, 2019** 

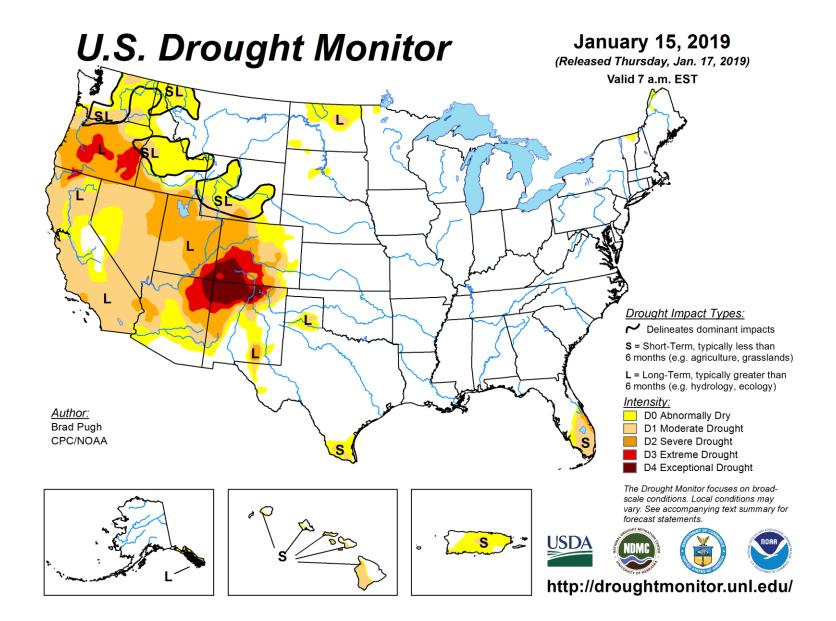




Aaron B. Wilson

STATE CLIMATE OFFICE OF OHIO (SCOO)

DEPARTMENT OF EXTENSION - CFAES BYRD POLAR & CLIMATE RESEARCH CENTER DEPARTMENT OF GEOGRAPHY

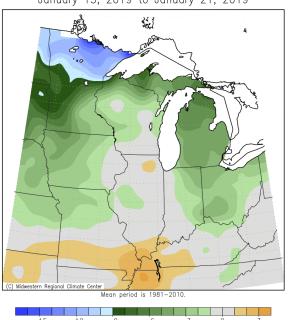




# Temperature Differences Compared to Average (1981-2010)

7-Day

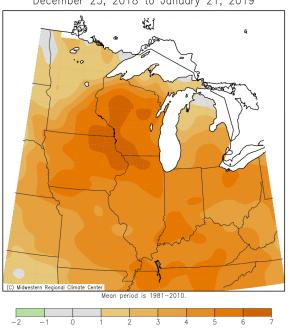
Average Temperature (°F): Departure from Mean January 15, 2019 to January 21, 2019



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Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana—Champaign

**30-Day** 

Average Temperature (°F): Departure from Mean December 23, 2018 to January 21, 2019

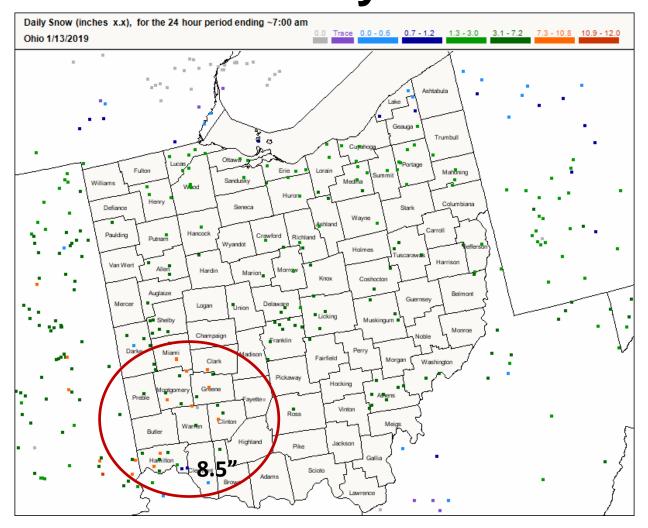


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### **CoCoRaHS Observed Snowfall:**

http://cocorahs.com/ January 13

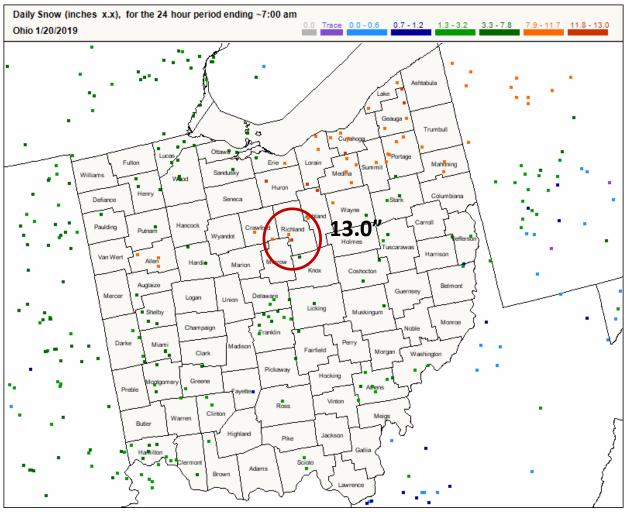




#### **CoCoRaHS Observed Snowfall:**

http://cocorahs.com/

**January 20** 

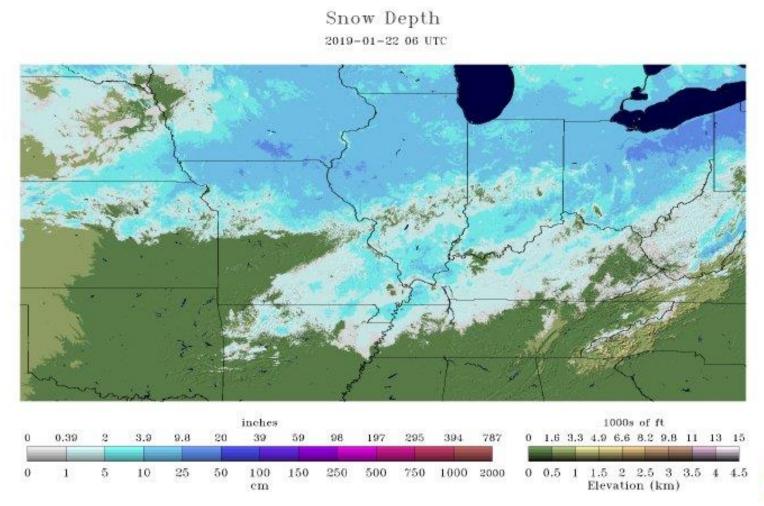




# ational Snow 2018-

# **Snow Depth**

#### https://www.nohrsc.noaa.gov/nsa/



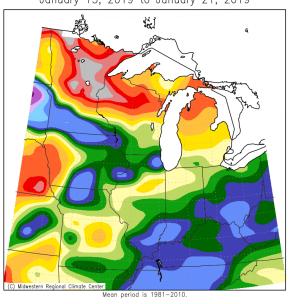


# Precipitation Differences Compared to Average (1981-2010)

7-Day

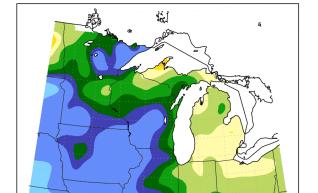
30-Day

Accumulated Precipitation: Percent of Mean January 15, 2019 to January 21, 2019



2 5 10 25 50 75 100 125 150 175 200 300 400 500 750

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Accumulated Precipitation: Percent of Mean

December 23, 2018 to January 21, 2019



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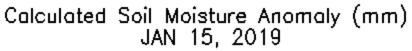
COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

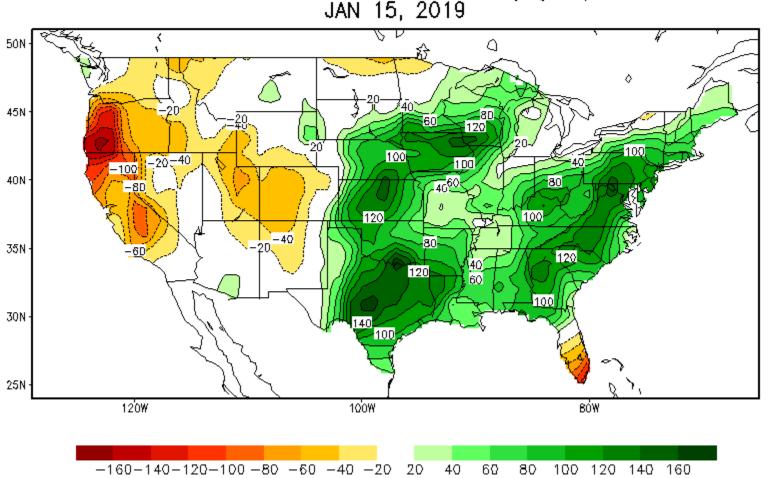
DEPARTMENT OF EXTENSION

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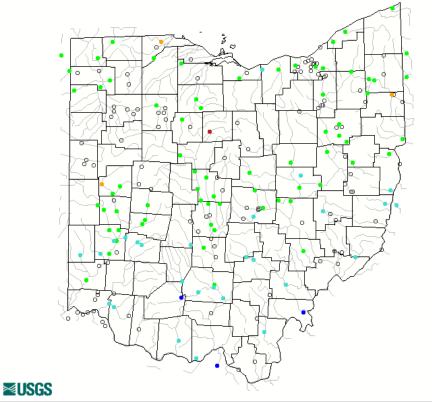
DEPARTMENT OF GEOGRAPHY

#### **Soil Moisture**





#### 7-DAY

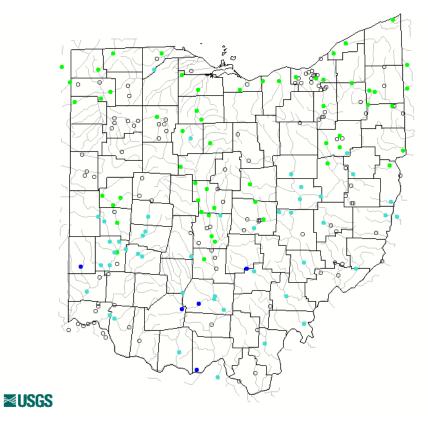


Explanation - Percentile classes							
•		•	•			•	0
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

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

#### **USGS Streamflow**







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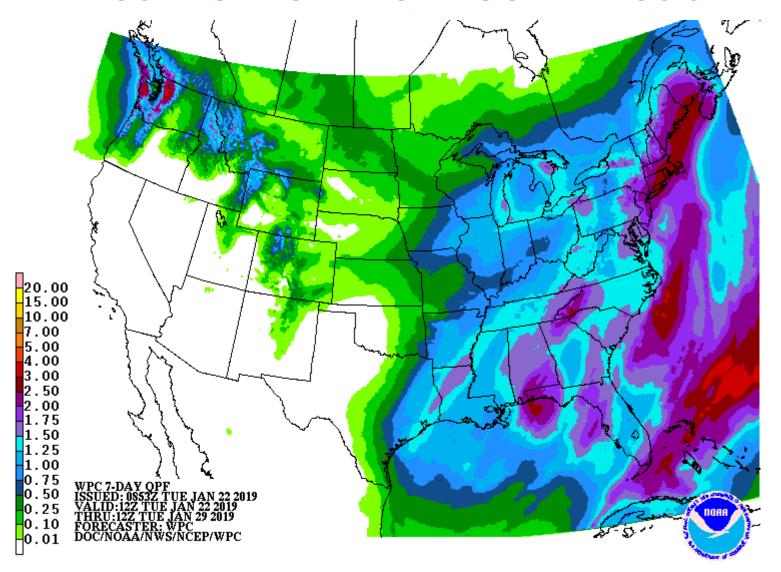
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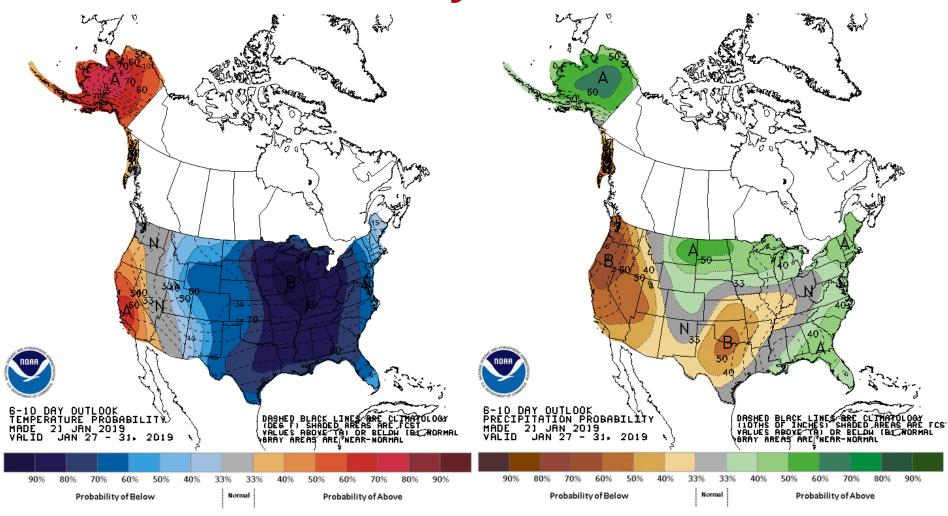


#### Weather for the Week Ahead





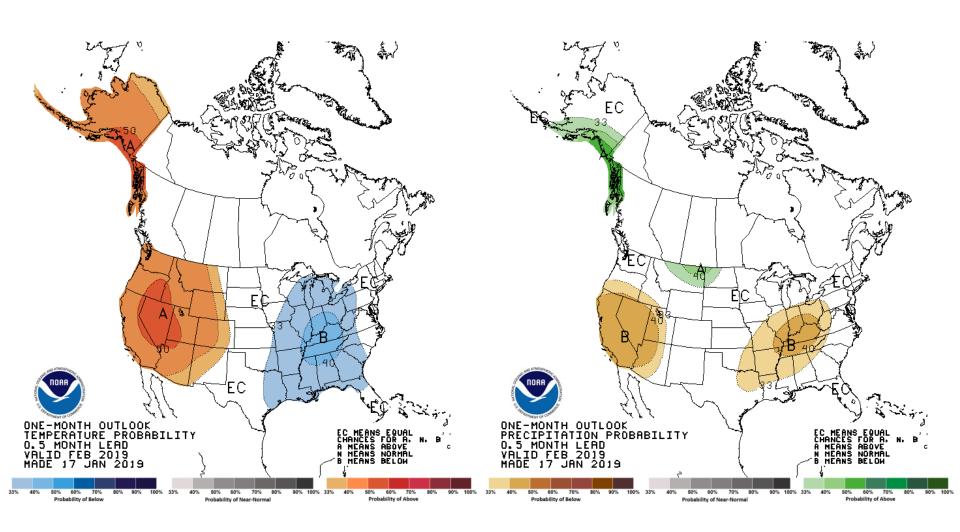
## 6-10 Day Outlook



**Highs:** 33-39°F; **Lows:** 18-23°F; **Precip:** ~0.63" (per week)

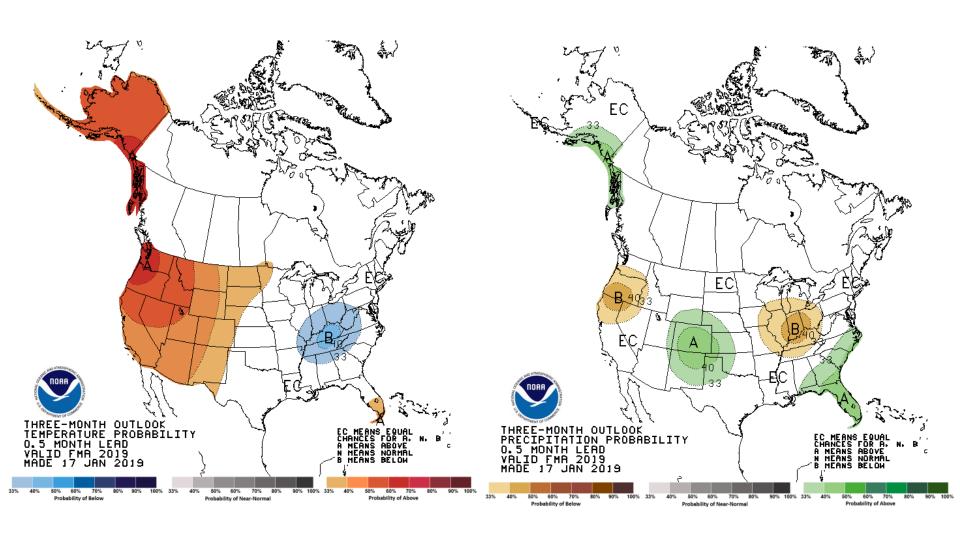


# **February Outlook**



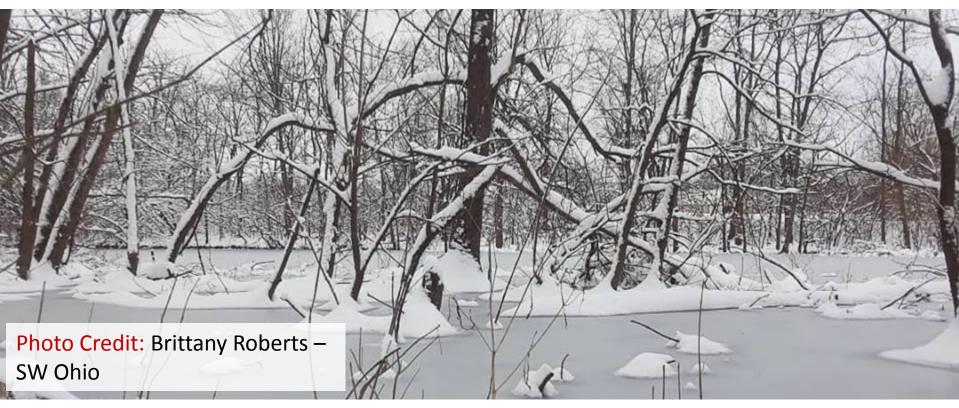


## February – April Outlook





# **Summary of Conditions**



**Drought Monitor:** None

Climate Recap: Cold recently – still running above average for winter

**The week ahead:** Generally a cold pattern – through the end of the month; frequent light snow opportunities as well

